

XANAX® Tablets (alprazolam) ©

CONTRAINDICATIONS

Patients with sensitivity to this drug or other benzodiazepines and in acute narrow angle glaucoma.

WARNINGS

Not of value in psychotic patients. Caution patients against hazardous occupations requiring complete mental alertness and about the simultaneous ingestion of alcohol and other CNS depressant drugs.

Benzodiazepines can cause fetal harm in pregnant women. Warn patients of the potential hazard to the fetus. Avoid during the first trimester.

PRECAUTIONS

General: The dosage of XANAX Tablets should be reduced or withdrawn gradually, since withdrawal seizures have been reported upon abrupt withdrawal. If XANAX is combined with other psychotropics or anticonvulsant drugs, consider drug potentiation (see Drug Interaction section). Exercise the usual precautions regarding size of the prescription for depressed or suicidal patients. In elderly and debilitated patients, use the lowest possible dosage (see Dosage and Administration). Observe the usual precautions in treating patients with impaired renal or hepatic function.

Information for Patients: Alert patients about: (a) consumption of alcohol and drugs, (b) possible fetal abnormalities, (c) operating machinery or driving, (d) not increasing dose of the drug due to risk of dependence, (e) not stopping the drug abruptly. **Laboratory Tests:** Not ordinarily required in otherwise healthy patients. **Drug Interactions:** Additive CNS depressant effects with other psychotropics, anticonvulsants, antihistamines, ethanol and other CNS depressants. Pharmacokinetic interactions with other drugs, e.g., cimetidine, have been reported. **Drug/Laboratory Test Interactions:** No consistent pattern for a drug or test. **Carcinogenesis, Mutagenesis, Impairment of Fertility:** No carcinogenic potential or impairment of fertility in rats. **Pregnancy:** See Warnings. **Nonteratogenic Effects:** The child born of a mother on benzodiazepines may be at some risk for withdrawal symptoms and neonatal flaccidity. **Labor and Delivery:** No established use. **Nursing Mothers:** Benzodiazepines are excreted in human milk. Women on XANAX should not nurse. **Pediatric Use:** Safety and effectiveness in children below the age of 18 have not been established.

ADVERSE REACTIONS

Side effects are generally observed at the beginning of therapy and usually disappear with continued medication. In the usual patient, the most frequent side effects are likely to be an extension of the pharmacologic activity of XANAX, e.g., drowsiness or lightheadedness.

Central nervous system: Drowsiness, lightheadedness, depression, headache, confusion, insomnia, nervousness, syncope, dizziness, akathisia, and tiredness/sleepiness. **Gastrointestinal:** Dry mouth, constipation, diarrhea, nausea/vomiting, and increased salivation. **Cardiovascular:** Tachycardia/palpitations, and hypotension. **Sensory:** Blurred vision. **Musculoskeletal:** Rigidity and tremor. **Cutaneous:** Dermatitis/allergy. **Other side effects:** Nasal congestion, weight gain, and weight loss. Withdrawal seizures have been reported upon rapid decrease or abrupt discontinuation of XANAX. (See Precautions.)

In addition, the following adverse events have been reported with the use of benzodiazepines: dystonia, irritability, concentration difficulties, anorexia, transient amnesia or memory impairment, loss of coordination, fatigue, sedation, slurred speech, jaundice, musculoskeletal weakness, pruritus, diplopia, dysarthria, changes in libido, menstrual irregularities, incontinence and urinary retention.

Paradoxical reactions such as stimulation, agitation, increased muscle spasticity, sleep disturbances, and hallucinations may occur. Should these occur, discontinue the drug.

During prolonged treatment, periodic blood counts, urinalysis, and blood chemistry analysis are advisable. Minor EEG changes, of unknown significance, have been observed.

DRUG ABUSE AND DEPENDENCE

Physical and Psychological Dependence: Withdrawal symptoms have occurred following abrupt discontinuance of benzodiazepines. Withdrawal seizures have occurred upon rapid decrease or abrupt discontinuation of therapy. In all patients, dosage should be gradually tapered under close supervision. Patients with a history of seizures or epilepsy should not be abruptly withdrawn from XANAX. Addiction-prone individuals should be under careful surveillance. **Controlled Substance Class:** XANAX is a controlled substance and has been assigned to schedule IV.

OVERDOSAGE

Manifestations include somnolence, confusion, impaired coordination, diminished reflexes and coma. No delayed reactions have been reported.

DOSAGE AND ADMINISTRATION

Dosage should be individualized.

The usual starting dose is 0.25 to 0.5 mg, t.i.d. Maximum total daily dose is 4 mg. In the elderly or debilitated, the usual starting dose is 0.25 mg, two or three times daily. Reduce dosage gradually when terminating therapy, by no more than 0.5 milligram every three days.

HOW SUPPLIED

XANAX Tablets are available as 0.25 mg, 0.5 mg, and 1 mg tablets.

Caution: Federal law prohibits dispensing without prescription.

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February 1987



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"Information for Authors"—A complete guide to manuscript submission and *WJM* style appears in the January and July issues. Manuscripts may be prepared in accordance with the "Uniform Requirements for Manuscripts Submitted to Biomedical Journals" (*British Medical Journal*, June 12, 1982; *Annals of Internal Medicine*, June 1982).

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The original manuscript and two copies should be submitted on heavy bond paper (8½ by 11 inches, *not* erasable), typed *double-spaced throughout* (including legends, tables, and references) on one side of the paper, with 1½-inch margins. Articles should not exceed 3,000 words (less than 15 text pages typed double-spaced). Under exceptional circumstances only will articles longer than 4,000 words be published. Pages should be numbered consecutively, beginning with the title page. Manuscripts produced with a dot-matrix printer are ordinarily not acceptable.

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Journal Articles

Note handling of multiple authorship. If more than three authors are listed as contributors, use "et al" to designate those names after the first three. Also note capitalization, punctuation, use of inclusive page numbers, and year of publication. Separate the subtitle from the title by either a dash or a colon. Use colon *only* if it appears in the original citation.

1. Jones JS, Anderson HW, Johnson DW, et al: The athletic heart revisited—Sudden death of a 28-year-old athlete. *JAMA* 1978; 292:444-456

2. Graybill JR, Alford RH, Smith RG, et al: Cell-mediated immunity in cryptococcosis: A brief review. *Cell Immunol* 1978; 7:76-79

Books

Note handling of "edition," "editor(s)," and "volume," as well as appropriate sequence of reference information and capitalization of chapters and titles.

3. Berne EJ, Smith TL: Role playing in therapy, chap 2, *Principles of Group Therapy*. New York, Oxford University Press, 1966, pp 35-51 (*author of chapter same as author of book*)

4. Munsung JM: The role of drugs, chap 2, *In Brest AN, Mayer JH (Eds): Hypertension—Vol 2, Therapy*, 2nd Ed. Springfield, Ill, Charles C Thomas, 1961, pp 456-479 (*author of chapter different from authors of book*)

Pamphlets, Monographs, or Books With No Given Author

5. AMA Department of Drugs: *AMA Drug Evaluation*, 3rd Ed. Littleton, Mass, Publishing Sciences Group, 1977 (*corporate author*)

6. Compilation of Standard Definitions, 3rd Ed. Philadelphia, American Society for Testing and Materials, 1976 (*no given author; give name and place of publisher*)

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Any article accepted for publication should include the name of the journal (appropriately abbreviated) in which it will appear and the phrase "in press" or "accepted for publication" in place of the date of publication.

Personal Communications and Unpublished Data

This information should *not* be included in the reference list but should be given in parentheses in the body of the text. Date of communication, whether it was oral or written, and the person's name, highest academic degree, and professional affiliation should be provided.

*Exception: Articles for Topics in Primary Care and Epitomes use a limited number of authoritative references, both to the specific topic and the subject as a whole, that are *not* cited in the text and are listed in alphabetic order.

Acknowledgments

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Brochures and registration forms are available from the contact person or organization sponsoring the program.

February 20—**A Practical Approach to Management II** (Diabetes Conference). Crescent Hotel, Phoenix. Sat. Contact: Good Samaritan Medical Center, Byron Woodson, (602) 239-5994 or 1 (800) 443-5972 (within Arizona).

February 25-27—**Contraception, Sterilization, and Sexually Transmitted Disease**. Paradise Valley Resort, Scottsdale. Thurs-Sat. Contact: Robin Murray, American College of Obstetricians and Gynecologists, (202) 863-2543.

February 25-27—**Them Ol' Bones V**. Scottsdale Sheraton Resort, Scottsdale. Thurs-Sat. Contact: Christine Campbell for St Luke's Medical Center, (602) 838-6728.

February 25-28—**Arizona Academy of Family Physicians Scientific Assembly—1988**. Embassy Suites—The Biltmore, Phoenix. Thurs-Sun. Contact: AAFP, (602) 249-2021.

February 26-28—**Fourteenth Annual Scientific Session of the Arizona Society of Anesthesiologists**. Scottsdale Hilton Resort, Scottsdale. Fri-Sun. Contact: Beverly Richter, Arizona Society of Anesthesiologists, (602) 246-8901.

February 29-March 3—**Practical Radiology**. Loews Ventana Canyon Resort, Tucson. Mon-Thurs. Contact: U of A.

March 2-4—**11th Annual Mid-Winter Symposium in OB/GYN**. Scottsdale Hilton Hotel, Scottsdale. Wed-Fri. Contact: Secretary, Phoenix OB/GYN Society, (602) 241-1917.

March 5—**Current Perspectives: Cancer Screening, Treatment and Followup**. Arizona Medical Association, Phoenix. Sat. Contact: ArMA.

March 6-9—**2nd Annual Barrow Neurological Institute Magnetic Resonance Imaging Conference**. Camelback Inn Resort, Scottsdale. Sun-Wed. Contact: Barrow Neurological Institute, (602) 285-3178 or 1 (800) BARROW-1.

March 10-12—**Practical Cardiology for the Family Physician**. La Posada Resort Hotel, Scottsdale. Thurs-Sat. Contact: American College of Cardiology, (800) 253-4636, ext 226.

March 10-12—**15th Annual Symposium: Selected Topics in Ischemic and Hemorrhagic Cerebrovascular Disease**. Camelback Inn Resort, Scottsdale. Thurs-Sat. Contact: Barrow Neurological Institute, (602) 285-3178 or 1 (800) BARROW-1.

March 17-19—**24th Annual Arizona Chest Symposium**. Doubletree Hotel, Tucson. Thurs-Sat. Contact: Susan Thornton, RN, MS, Tucson Medical Center, (602) 327-5461, Ext. 5110.

March 22-25—**Pediatric Update 1988**. La Posada Resort Hotel, Scottsdale. Tues-Fri. Contact: Paul C. Stillwell, MD, Phoenix Children's Hospital, (602) 239-5778.

March 23-27—**12th Annual Valley of the Sun Dermatologic Symposium**. Stouffers Cottonwoods Resort, Scottsdale. Wed-Sun. Contact: Phoenix Dermatologic Society, c/o Susan Slama, MD, (602) 991-3203.

CONTACT INFORMATION

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U of A—Contact: University of Arizona College of Medicine, Arizona Health Sciences Center, Tucson, AZ 85724. (602) 626-6707.

PATHOLOGY

May 14-15—**Selected Topics in Gynecologic Pathology**. Arizona Society of Pathologists and U of A at Westward Look Resort, Tucson. Sat-Sun. 7 hrs. Contact: Beverly Richter, Arizona Society of Pathologists, 810 W Bethany Home Rd, Phoenix 85013. (602) 246-8901.

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- CMA: California Medical Association
Contact: Continuing Medical Education, California Medical Association, PO Box 7690, San Francisco 94120-7690. (415) 863-5522.
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Contact: Herbert M. Thomas, MD, MPH, Director of CME, Office of Continuing Education, Charles R. Drew Postgraduate Medical School, 1621 East 120th Street, Los Angeles 90059. (213) 603-3183.
- LLU: Loma Linda University
Contact: Varner J. Johns, Jr, MD, Associate Dean for Continuing Medical Education, Loma Linda University School of Medicine, Loma Linda 92354. (714) 796-7311, ext 2400.
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Contact: Continuing Education, Pacific Medical Center, PO Box 7999, San Francisco 94120. (415) 563-4321, ext 2761.
- STAN: Stanford University
Contact: Edward Rubenstein, MD, Associate Dean for Postgraduate Education, Medical School Office Building, Suite X-365, Stanford 94305-6114. (415) 723-5594.
- UCD: University of California, Davis
Contact: Ruth Feryok, Director, Office of Continuing Medical Education, University of California, Davis, School of Medicine, 2701 Stockton Boulevard, Sacramento 95817. (916) 453-5390.
- UCI: University of California, Irvine
Contact: Melvin I. Marks, MD, Assistant Dean, University of California, Irvine, California College of Medicine, c/o UCI/CME Program, Memorial Medical Center, 2801 Atlantic Avenue, Long Beach 90801-1428. (213) 595-3811, or (714) 856-5414, UCI Extension.
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- UCSD: University of California, San Diego
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- USC: University of Southern California
Contact: Phil R. Manning, MD, Associate Dean, Postgraduate Division, University of Southern California School of Medicine, 1975 Zonal Ave, KAM314, Los Angeles 90033. (213) 224-7051.

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CONTINUING MEDICAL EDUCATION

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ALLERGY

February 23-28—**Intermediate Course in Otolaryngic Allergy and Immunology.** American Academy of Otolaryngic Allergy Foundation at Miyako Hotel, San Francisco. Tues-Sun. 30 hrs. \$550. Contact: American Academy of Otolaryngic Allergy, 1101 Vermont Avenue, NW, Suite 303 Washington, DC, 20005.

March 28-30—**Office and Hospital Based Clinical Nutrition for the Practitioner.** University of Washington at Maui, Hawaii. Mon-Wed. Contact: U/W School of Medicine, Div of CME, SC-50, Seattle, WA 98195. (206) 543-1050.

ANESTHESIOLOGY

March 13-18—**Anesthesiology 1988.** Anesthesiology Educational Foundation at Mammoth Lakes, Sierra Nevada Inn. Sun-Fri. Contact: Anesthesiology Educational Foundation, PO Box 24230, Los Angeles 90024.

March 19-20—**33rd Postgraduate Assembly.** Los Angeles Society of Anesthesiologists at Los Angeles Hilton Hotel. Sat-Sun. Contact: Laura Lee, Los Angeles Society of Anesthesiologists, PO Box 3465, Los Angeles, 90051-1465. (213) 483-1581 ext. 320.

May 15-20—**Hawaiian Seminar on Clinical Anesthesia.** California Society of Anesthesiologists at Sheraton Kauai Hotel, Poipu Beach, Kauai. Sun-Fri. 20 hrs. \$325-375. Contact: California Society of Anesthesiologists, 1065 Hillside Blvd, #410, Foster City 94404. (415) 345-3020.

May 16-20—**5th International Symposium: Computing in Anesthesia and Intensive Care.** UCSD at US Grant Hotel, San Diego. Mon-Fri. 20 hrs. \$300. Contact: UCSD.

June 16-19—**California Society of Anesthesiologists 1988 Annual Meeting** at Marriott Hotel, Anaheim. Thurs-Sun. 16 hrs. \$150-225. Contact: California Society of Anesthesiologists, 1065 Hillside Blvd, #410, Foster City 94404. (415) 345-3020.

August 21-27—**Hawaiian Seminar on Clinical Anesthesia.** California Society of Anesthesiologists at Inter-Continental Hotel, Wailea, Maui. Sun-Sat. 20 hrs. \$325/\$375. Contact: CSA, 1065 E. Hillside Blvd, Suite 410, Foster City 94404. (415) 345-3020.

October 16-21—**Hawaiian Seminar on Clinical Anesthesia.** California Society of Anesthesiologists at Westin Maui Hotel, Maui. Sun-Fri. 20 hrs. \$325/\$375. Contact: CSA, 1065 Hillside Blvd, Suite 410, Foster City 94404. (415) 345-3020.

CANCER

February 25-27—**Second International Conference on Intracavitary Chemotherapy.** UCSD at US Grant Hotel, San Diego. Thurs-Sat. 18 hrs. \$300. Contact: UCSD.

March 12—**Ultrasound in the Diagnosis and Management of Rectal Health.** Sutter Health at Sutter General Hospital, Sacramento. Sat. 6 hrs. \$45. Contact: Sutter Health, CME Dept. 2020 I St, Suite D, Sacramento 95814. (916) 446-7681.

CARDIOLOGY

February 22-26—**Non-Invasive Diagnostic Techniques in Vascular Disease.** Scripps Clinic and Research Foundation at Sheraton Harbor Island Hotel, San Diego. Mon-Fri. 35 hrs. \$550. Contact: Nomi Feldman, Conference Coordinator, 3770 Tansy St, San Diego, 92121. (619) 453-6222.

(Continued on Page 240)

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CONTINUING MEDICAL EDUCATION

(Continued from Page 158)

March 11-12—**Arrhythmias: Interpretation, Diagnosis and Management.** Medical Education Resources at Tropicana Hotel, Las Vegas, Nevada. Fri-Sat. 11-13 hrs. \$225-\$295. Contact: MER, 5808 S. Rapp St., Suite 202, Littleton, CO 80120. (800) 421-3756.

March 21-23—**New Directions in Cardiac Rehabilitation.** ACC & Stanford University School of Medicine at Stanford. Mon-Wed. Contact: Registration Secretary EP Dept., ACC, Bethesda, MD (301) 897-5400.

March 25-27—**Coronary Heart Disease: Current Concepts.** Medical Education Resources at Inter-Continental Hotel, Maui, Hawaii. Fri-Sun. 11-13 hrs. \$225-\$295. Contact: MER, 5808 S. Rapp St., Suite 202, Littleton, CO 80120. (800) 421-3756.

April 15-17—**Coronary Artery Disease: A Commemorative Symposium—75 Years Since Anitschkow and Herrick.** UCSF. Contact: UCSF.

April 18-27—**Cardiology for the Consultant.** Scripps Clinic and Research Foundation at the Inn at Rancho Santa Fe, Rancho Santa Fe. Mon-Wed. 40 hrs. \$900. Contact: Bonny Mower, 10666 N. Torrey Pines Road, La Jolla, 92037. (619) 457-8556.

May 7—**Third Annual Cardiology Symposium.** Sutter Health at Sacramento Inn, Sacramento. Sat. 6 hrs. Contact: Sutter Health, CME Dept. 2020 I St, Suite D, Sacramento 95814. (916) 446-7681.

May 13-14—**Coronary Heart Disease: Current Concepts.** Medical Education Resources at Hilton Hotel, San Francisco. Wed-Thur. 11-13 hrs. \$225-\$295. Contact: MER, 5808 S. Rapp St., Suite 202, Littleton, CO 80120. (800) 421-3756.

May 19-20—**Cardiology for the Non-Cardiologist.** UCI. Thurs-Fri. Contact: UCI.

June 6-8—**Advanced Echocardiography & Doppler Ultrasound 1988.** American College of Cardiology at Sheraton Harbor Island, San Diego. Mon-Wed. Contact: Registration Secretary, EP Dept. ACC, 9111 Old Georgetown Road, Bethesda, MD 20814.

June 30-July 2—**Consultative Cardiology: Update in Diagnostic and Therapeutic Techniques.** ACC, Orange Coast Heart Institute and Hoag Memorial Hospital at Westin South Coast Plaza, Costa Mesa. Thur-Sat. Contact: Registration Secretary, EP Dept., ACC, 9111 Old Georgetown Road, Bethesda, MD 20814.

DERMATOLOGY

February 27—**Summary of Clinical Use of Argon, YAG, CO2 Lasers for Cutaneous Lesions.** Palo Alto Medical Foundation at Palo Alto Medical Clinic. Sat. 6 hrs. Contact: Palo Alto Medical Clinic, 300 Homer Ave, Palo Alto 94301. (415) 321-4121.

May 21—**Summary of Clinical Use of Argon, YAG, and CO2 Lasers for Cutaneous Lesions.** Palo Alto Medical Foundation at Palo Alto Medical Clinic. Sat. 6 hrs. Contact: Palo Alto Medical Clinic, 300 Homer Ave, Palo Alto 94301. (415) 321-4121.

August 12-14—**Dermatologic Surgery: State of the Art 1988.** Stanford University at Monterey Sheraton, Monterey. Fri-Sun. Contact: Paul H. Jacobs, MD, Dept. of Dermatology, UMC Stanford, 94305. (415) 723-6105.

August 21-28—**International Symposium: Hot Spots in Dermatology.** Kauai Medical Group at Molokai, Hawaii. One week. Contact: David Elpern, MD, 3420-B Kuhio Highway, Lihue, Hawaii 96766. (808) 245-1507.

EMERGENCY MEDICINE

March 6-11—**9th Annual Mammoth Mt. Emergency Medicine Ski Conference.** UCI and Orange County Emergency Dept. Nurses Assoc. at Mammoth Lakes. Sun-Fri. 20 hrs. \$350. Contact: CME Travel Services, 1615 S. Mission Road, Suite 3, Fallbrook 92028.

March 23-25—**Advances in Emergency Medicine.** UCSF at Holiday Inn Union Square, San Francisco. Wed-Fri. \$300. Contact: UCSF.

March 25-26—**Advances in Emergency Medicine: Toxicology and Infectious Diseases.** UCLA at San Diego Hilton, Mission Bay. Fri-Sat. 9 hrs. Contact: UCLA.

May 11-15—**Tenth Annual Wound Management Workshop.** UCSD at San Diego Hilton Beach and Tennis Resort. Wed-Sun. 19 hrs. Contact: Edith S. Bookstein/WMW, PO Box 1386, La Jolla 92038. (619) 454-3212.

May 12-14—**Modern Concepts in Trauma Care Symposium.** Orange County Trauma Society at Disneyland Hotel, Anaheim. Thurs-Fri. 18 hrs. Contact: Orange County Trauma Society, (800) 368-0911.

June 6-10—**Topics in Emergency Medicine.** UCSF at Holiday Inn, Union Square, San Francisco. Mon-Fri. 32 hrs. \$420. Contact: UCSF.

INTERNAL MEDICINE

February 19-21—**Update on Gastroenterology: Diagnosis and Therapy.** The Center for Health Education at the Newporter Resort, Newport Beach. Fri-Sun. Contact: The Center for Continuing Education, 2081 Atlantic Ave, PO Box 1428, Long Beach 90801-1428.

February 21-26—**Emergencies in Internal Medicine: 11th Annual UCD Winter Conference.** UCD at Hyatt Lake Tahoe, Incline Village, Nevada. Sun-Fri. 23 hrs. \$395. Contact: UCD.

March 4-5—**Gastrointestinal Endoscopy 1988.** Southern California Society for Gastrointestinal Endoscopy at Century Plaza Hotel, Los Angeles. Fri-Sat. Contact: David S. Cantor, MD, 50 Alessandro, Ste 410, Pasadena 91105. (818) 793-7114.

March 9-10—**Advances in Endocrinology and Metabolism.** UCSF at Holiday Inn Union Square, San Francisco. Wed-Thurs. \$250/\$150. Contact: UCSF.

March 11-17—**Internal Medicine 1988: A Comprehensive Review.** Sharp Memorial Hospital at Hotel Del Coronado, Coronado. Fri-Thurs. 54 hrs. \$495. Contact: Jackie Shiller, Continuing Medical Education Associates, PO Box 84296, San Diego 92138. (619) 223-2997.

March 16-19—**Frontiers in Clinical Rheumatology.** UCD at Clarion Inn, Napa. Wed-Sat. Contact: UCD.

March 17-18—**Diseases of the Urinary Tract.** Stanford University Medical Center at Hyatt Richeys Hotel, Palo Alto. Thurs-Fri. 15 hrs. \$300. Contact: Stanford.

March 18-20—**6th Carl M. Person Memorial Symposium: Frontiers of Rheumatology.** Annenberg Center for Health Sciences at Palm Springs. Fri-Sun. 15.5 hrs. Contact: Annenberg Center, 39000 Bob Hope Dr, Rancho Mirage, 92270-3298. (800) 321-3690.

April 16-23—**Internal Medicine.** Stanford University Medical Center at The Westin Mauna Kea, Hawaii. Sun-Fri. 25 hrs. \$495. Contact: Stanford.

May 23-27—**Advances in Internal Medicine.** UCSF at Sheraton-Palace Hotel, San Francisco. Mon-Fri. 32 hrs. \$440. Contact: UCSF.

June 6-10—**Advances in Internal Medicine.** UCSF at Cole Hall. 32 hrs. \$440. Contact: UCSF.

June 15-17—**Gastroenterology: Advances in Diagnosis and Management.** UCSF at The Mark Hopkins Hotel, San Francisco. Wed-Fri. 17 hrs. \$375. Contact: UCSF.

OB/GYN

February 19-21—**Office Gynecology for the Primary Care Physician.** San Diego State University at Hyatt Islandia, San Diego. Fri-Sun. 18 hrs. \$295. Contact: J. Shiller, Continuing Medical Education Associates, PO Box 84296, San Diego, 92138. (619) 223-2997.

March 16-19—**5th Annual Horizon in Reproductive Health Medical Conference.** UCSD at Hotel del Coronado, Coronado. Wed-Sat. Contact: Mary Fessel, 2100 5th Ave., San Diego, 92101. (619) 231-6760.

March 25-26—**GYN/Urology.** UCI at Hilton Riviera, Palm Springs. Fri-Sat. Contact: UCI.

April 21-23—**10th Annual Orange County OB/GYN Congress.** Orange County Obstetrical and Gynecological Society at Westin Hotel, South Coast Plaza, Costa Mesa. Thur-Sat. 15 hrs. \$300. Contact: Paula Rogers, PO Box 1297, Orange 92668. (714) 978-1260.

June 30-July 3—**6th Annual Controversies in Obstetrics & Gynecology.** Center for Health Education at Mauna Kea Beach Hotel, Hawaii. Thur-Sun. Contact: The Center for Health Education, 2081 Atlantic Ave., PO Box 1428, Long Beach, 90801-1428. (213) 595-3811.

August 19-21—**1988—Office Gynecology for the Primary Care Physician.** Continuing Medical Education Associates and San Diego State University at Hyatt Islandia, San Diego. Fri-Sun. 18 hrs. \$295. Contact: Jacqueline Shiller, PO Box 84296, San Diego 92138. (619) 223-2997.

(Continued on Page 241)

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CONTINUING MEDICAL EDUCATION

(Continued from Page 240)

OPHTHALMOLOGY

March 18—**Visions in Ophthalmology '88**. Scripps Memorial Hospital at La Jolla Marriott, San Diego. Fri. 6 hrs. \$75. Contact: Nomi Feldman, Conference Coordinator, 3770 Tansy St, San Diego 92121. (619) 453-6222.

PEDIATRICS

February 20-27—**Pediatric Emergencies**. Scripps Memorial Hospital, Encinitas and American Institute of Postgraduate Education at Royal Lahaina Resort, Maui. One week. 21 hrs. \$395. Contact: Edith S. Bookstein/AIPE, PO Box 2586, La Jolla 92038. (619) 454-3212.

February 22-24—**Pediatrics Update 1988**. San Diego State University at Hyatt Islandia, San Diego. Mon-Wed. 18 hrs. \$295. Contact: J. Shiller, PO Box 84296, San Diego 92138. (619) 223-2997.

March 12—**Behavioral/Development Pediatrics Symposium: Stress, Vulnerability and Child Health**. UCSF. Sat. 6.5 hrs. Contact: UCSF.

March 18-19—**Hematology: Neonatal, Pediatric & AIDS Related Issues**. Children's Hospital Oakland at Berkeley Marina Marriott Hotel, Fri-Sat. 11 hrs. Contact: Kim Leadon, CME Dept. Children's Hospital, 747 52nd Street, Oakland 94609. (415) 428-3021.

April 8-9—**UCD Annual Pediatrics Program**. UCD at Red Lion Motor Inn, Sacramento. Fri-Sat. Contact: UCD.

April 29-30—**21st Annual Advances and Controversies in Clinical Pediatrics**. UCSF at Mark Hopkins Hotel, San Francisco. Fri-Sat. 16.5 hrs. Contact: UCSF.

August 22-24—**Pediatrics Update: 1988**. San Diego State University at Hyatt Islandia, San Diego. Mon-Wed. 18 hrs. \$295. Contact: Jacqueline Shiller, PO Box 84296, San Diego 92138. (619) 223-2997.

October 22-29—**13th Annual Pediatrics for the Practitioner: A Pediatric Symposium**. Center for Health Education at Mauna Kea Beach Hotel, Hawaii. One week. Contact: The Center for Health Education, PO Box 1428, Long Beach 90801-1428.

PSYCHIATRY

March 27-31—**Adapting to Social Change, Therapy, Technology and Services**. American Orthopsychiatric Association at Hilton Square, San Francisco. Sun-Thurs. Contact: ORTHO, 19 W 44th St, #1616, New York, NY 10036. (212) 354-5770.

April 15-16—**3rd Annual Work and Mental Health Symposium**. UCSF at Holiday Inn Union Square, San Francisco. Fri-Sat. 12 hrs. \$200. Contact: UCSF.

April 23-24—**The Cutting Edge 1988: Innovations in Psychotherapy: Helping Individuals and Couples to Change**. UCSD at Hotel Del Coronado, San Diego. Sat-Sun. 13 hrs. \$275. Contact: UCSD.

May 23-24—**Child Abuse**. UCD at Holiday Inn Holidome, Sacramento. Mon-Tue. Contact: UCD.

RADIOLOGY

February 21-24—**7th Annual UCSD Imaging & Intervention Conference**. UCSD, Dept. of Radiology at Hotel Inter-Continental, San Diego. Sun-Wed. 25 hrs. \$400. Contact: Mary J. Ryals, PO Box 920113, Norcross, GA 30092-0113. (404) 641-9773.

February 29-March 4—**Sierra Radiology Conference**. Sacramento Radiology Research and Education Foundation at Hyatt Lake Tahoe, Nevada. Mon-Fri. 20 hrs. \$385. Contact: John McGahan, MD, Director, Sacramento Radiology and Research Foundation, PO Box 19184, Sacramento 95819. (916) 453-3766.

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CONTINUING MEDICAL EDUCATION

(Continued from Page 241)

March 7-11—**Neuroradiology Update.** UCSD at Hotel Del Coronado, San Diego, Mon-Fri. Up to 28 hrs. Contact: Mary J. Ryals, PO Box 920113, Norcross, GA 30092-0113. (404) 641-9773.

March 9-11—**8th Annual Current Approaches to Radiation, Oncology, Biology and Physics.** UCSF at Hotel Nikko, San Francisco. Wed-Fri. 18 hrs. Contact: The Crest Organization, Outside CA (800) 222-8882; Inside CA (415) 595-2704.

April 10-15—**8th Annual San Diego Resident's Radiology Review Course.** UCSD at Town & Country Hotel, San Diego. Sun-Fri. Contact: Mary J. Ryals, PO Box 920113, Norcross, GA 30092-0113. (404) 641-9773.

April 29-May 1—**13th Annual Spring Diagnostic Ultrasound Conference.** Los Angeles Radiological Society at Century Plaza Hotel, Los Angeles. Fri-Sun. 20 hrs. \$325. Contact: Christopher M. Rose, MD, c/o Los Angeles Radiological Society—SDUC, PO Box 91215, Los Angeles 90009-1215. (213) 642-0921.

May 3-7—**8th Annual Post Conference Seminar.** Los Angeles Radiology Society at Kahala Hilton Hotel, Honolulu. Tues-Sat. 19 hrs. \$395. Contact: Christopher Rose, MD, c/o Los Angeles Radiological Society—SDUC, PO Box 91215, Los Angeles 90009-1215. (213) 642-0921.

SPORTS MEDICINE

January 17-22—**Sports Medicine: 1988.** UCD at Hyatt Lake Tahoe, Nevada. Sun-Fri. 28 hrs. \$435. Contact: UCD.

SURGERY

February 20-21—**Advances in Sclerotherapy and Advances in Surgical and Medical Treatment of Venous Diseases.** Scripps Clinic and Research Foundation at Sheraton Grand Hotel, San Diego. Sat-Sun. 9 hrs. \$125. Contact: Helene Fronck, MD, 3051 Cranbrook Ct, La Jolla 92037

March 3-6—**Surgical Forum.** Society of Graduate Surgeons of the Los Angeles County/University of Southern California Medical Center at the Biltmore Hotel, Los Angeles. Thurs-Sun. 25 hrs. \$400. Contact: Society of Graduate Surgeons, 5820 Wilshire Blvd, Suite 500, Los Angeles 90036.

March 14-17—**Controversies in General and Vascular Surgery.** UCLA at Palm Springs Spa Hotel, Palm Springs. Mon-Thurs. Contact: UCLA.

March 17-20—**The International Symposium on Hair Replacement Surgery.** American Academy of Facial Plastic and Reconstructive Surgery at Four Seasons Hotel, Los Angeles. Thurs-Sun. 30 hrs. Contact: AAFPRS Foundation, 1101 Vermont Ave, NW, Suite 404, Washington, DC, 20005.

April 14-16—**Postgraduate Course in General Surgery.** UCSF. Thur-Sat. Contact: UCSF.

April 15-17—**The 5th Annual San Diego Meeting on Arthroscopic Surgery of the Shoulder.** Tri-City Orthopaedic & Sports Physical Therapy Medical Group, Inc. at La Jolla Marriott Hotel, La Jolla. Fri-Sun. Contact: James C. Esch, MD, 3905 Waring Rd, Oceanside 92056. (619) 724-9000.

April 16-23—**Management of the Surgical Patient.** Stanford University Medical Center at The Westin Mauna Kea, Hawaii. Sun-Fri. 25 hrs. \$495. Contact: Stanford.

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February 18-19—**Video Display Terminal Safety.** USC. Thur-Fri. \$265. Contact: USC.

February 19-21—**Diagnosis and Management of Respiratory Disease.** Medical Education Resources at Wyndham Hotel, Palm Springs. Fri-Sat. 11-13 hrs. \$225-\$295. Contact: MER, 5808 S. Rapp St., Suite 202, Littleton, CO 80120. (800) 421-3756.

February 19-21—**New Precepts and Concepts in Dermatopathology.** Desert Hospital, Palm Springs at Desert Hospital. Fri-Sun. 14 hrs. \$350. Contact: Charles Steffen, MD, 1111 Tahquitz East, Ste 102A, Palm Springs 92262.

February 29-March 4—**Basic Science for Clinicians.** Stanford University Medical Center at Tresidder Memorial Union, Stanford. Mon-Fri. 25.75 hrs. \$495. Contact: Stanford.

March 2-5—**Annual Review in Family Medicine: Controversies and Challenges in Primary Care.** UCSF at Stanford Court Hotel, San Francisco. Wed-Sat. 17 hrs. Contact: UCSF.

March 4—**6th Annual Geriatrics Symposium.** Sutter Health at Red Lion Inn, Sacramento. Fri. 7 hrs. Contact: Sutter Health, CME Dept. 2020 I St, Suite D, Sacramento 95814. (916) 446-7681.

March 4—**14th Annual Diabetes Program.** UCD at Capitol Plaza Holiday Inn, Sacramento. Contact: UCD.

March 4-9—**Western Scientific Assembly.** CMA at Bally's Hotel, Reno, Nevada. Thur-Sun. Contact: Susan Schaefer, CMA, PO Box 7690, San Francisco, 94120-7690. (415) 863-5522 Ext. 404.

March 4-10—**56th Annual Postgraduate Convention.** LLU. Fri-Thur. 35 hrs. Contact: LLU.

March 9—**Environmental and Occupational Medicine Symposium.** Enloe Memorial Hospital and Chico Community Hospital at The Esplanade Building, Enloe Hospital, Chico. Wed. 6 hrs. Contact: Bonnie Wells, 5th Ave and the Esplanade, Chico 95926. (916) 891-7375.

March 11-12—**Sleep Disorders Medicine: Medical Management.** Scripps Clinic and Research Foundation. Fri-Sat. 12 hrs. \$200. Contact: Bonny Mower, 10666 N. Torrey Pines Road, La Jolla, 92037. (619) 457-8556.

March 11-12—**Diabetes Update.** UCSF at Holiday Inn Union Square, San Francisco. Fri-Sat. Contact: UCSF.

March 12-13—**4th Annual Sierra Arthritis Symposium: State of the Art Diagnosis and Treatment of Arthritis.** Community Hospital of Fresno and California Sierra Arthritic Foundation at Ahwahnee Hotel, Yosemite. Sat-Sun. 7 hrs. \$95. Contact: Gloria Fitzgerald, Education and Training Department, PO Box 1232, Fresno 93715. (209) 442-3932.

March 14-17—**Critical Care Medicine: 26th Annual Symposium.** USC at Caesars Palace Hotel, Las Vegas. Mon-Thurs. Contact: USC.

March 16-19—**5th Annual Horizon in Reproductive Health Medical Conference.** UCSD at Hotel Del Coronado, Coronado. Wed-Sat. Contact: Mary Fessel, 2100 5th Ave., San Diego, 90101. (619) 231-6760.

March 18-19—**Hematology: Neonatal, Pediatric and AIDS Related Issues.** Children's Hospital, Oakland at Berkeley Marina Marriott Hotel. Fri-Sat. 11 hrs. Contact: Kim Leadon, CME Department, Children's Hospital, 747 52nd St, Oakland 94609. (415) 428-3021.

March 19—**3rd Annual Symposium on Women's Health.** Sutter Health at Board of Realtors Building, Sacramento. Sat. 6 hrs. \$45. Contact: Sutter Health, CME Department, 2020 I St, Suite D, Sacramento 95414. (916) 446-7681.

March 19—**Inpatient Vs. Outpatient Treatment: How to Decide.** California Society for the Treatment of Alcoholism & Other Drug Dependencies at Ramada Renaissance Hotel, San Francisco. Sat. Contact: Corinne Parker, 3803 Broadway, Suite 2, Oakland, 94611. (415) 428-9091.

March 19-21—**Transfusion—Associated Infections and Immune Response.** UCSF at Fairmont Hotel, San Francisco. Sat-Mon. Contact: UCSF.

March 25—**Infectious Diseases for Pulmonary and Critical Care Specialists.** UCSF and Samuel Merritt Hospital at San Francisco. Fri. 7 hrs. \$170. Contact: UCSF.

March 25-26—**Toxicology and Infectious Disease.** UCLA at San Diego Hilton Beach & Tennis Resort. Fri-Sat. 9 hrs. \$146.25. Contact: UCLA.

March 26—**7th Annual Nora Eccles Harrison Symposium.** UCLA at Los Angeles. Sat. 7 hrs. \$45. Contact: UCLA.

March 26-April 2—**Orthopedic Emergencies.** Scripps Memorial Hospital, Encinitas and American Institute of Postgraduate Education at Waiohai and Poipu Beach Hotels, Kauai. One week. 21 hrs. \$395. Contact: Edith S. Bookstein/AIPE, PO Box 2586, La Jolla 92038. (619) 454-3212.

March 26-April 2—**Behavioral Medicine for the Family Physician.** University of Arizona at Kona, Hawaii. One week. 24 hrs. Contact: Kathy Rairigh, Epic Expeditions, P.O. Box 209, Sun Valley, Idaho 83353. (208) 788-4995.

April 10-15—**Advanced Methods in Pharmacokinetics and Pharmacodynamics.** UCSF. Sun-Fri. Contact: UCSF.

April 13-15—**9th Annual Advances in Infectious Diseases: Current Therapy.** UCSF at Sheraton-Palace Hotel, San Francisco. Wed-Fri. 16 hrs. \$365. Contact: UCSF.

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CONTINUING MEDICAL EDUCATION

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April 13-17—**Annual Scientific Program and Postgraduate Courses.** Pacific Coast Fertility Society at Desert Princess Resort, Palm Springs. Wed-Sun. 22 hrs. Contact: Pacific Coast Fertility Society, 5820 Wilshire Blvd, #500, Los Angeles 90036. (213) 937-5514.

April 15-17—**Office Orthopedics for the Primary Care Physicians.** CMEA & Sharp Memorial Hospital at San Diego Princess Hotel. Fri-Sun. 20 hrs. \$395. Contact: Jacqueline Shiller, P.O. Box 84296, San Diego, 92138. (619) 223-2997.

April 16-23—**Current Concepts in Allergy and Clinical Immunology.** University of Washington at Maui, Hawaii. One week. Contact: U/W School of Medicine, Div of CME, SC-50, Seattle, WA 98195. (206) 543-1050.

April 22-23—**Comprehensive Care of the AIDS Patient: A Workshop.** UCSF at San Francisco. Fri-Sat. Contact: UCSF.

April 23—**Current Concepts in Liver Diseases.** Scripps Clinic and Research Foundation at Amphitheater, Scripps Clinic, La Jolla. Thur. 6 hrs. \$125. Contact: Bonny Mower, 10666 N. Torrey Pines Road, La Jolla, 92037. (619) 457-8556.

May 6-8—**Diagnosis and Management of Respiratory Diseases.** Medical Education Resources at Ceasars Palace, Las Vegas, Nevada. Fri-Sun. 11-13 hrs. \$225-\$295. Contact: MER, 5080 S. Rapp St., Suite 202, Littleton, CO 80120. (800) 421-3756.

May 15-20—**Primary Care Medicine: Update '88.** UCSF at the Waiohai Hotel, Hawaii. Sun-Fri. 20 hrs. \$425. Contact: UCSF.

May 26-27—**Current Concepts of Anatomic Pathology.** UCSF. Thur-Fri. Contact: UCSF.

June 13-17—**Family Practice Refresher Course.** UCI at Sheraton Newport, Newport Beach. Mon-Fri. 44.5 hrs. \$575. Contact: UCI.

June 13-18—**UCI Family Practice Refresher Course.** UCI and Memorial Medical Center at Sheraton Newport Hotel, Newport Beach. Mon-Sat. Contact: Memorial Medical Center, PO Box 1428, Long Beach 90801-1428. (213) 595-3811.

June 18-19—**Skills Workshop: Flexible Sigmoidoscopy and Colposcopy.** UCI at Sheraton Newport, Newport Beach. Sat-Sun. 16 hrs. \$140-ea., \$250-both. Contact: UCI.

June 25-26—**10th Annual Poison Control Center Symposium on Toxicology and Poisoning.** UCSF and Continuing Medical Education in Pharmacy at San Francisco. Sat-Sun. 14 hrs. \$235. Contact: Continuing Education S/P, UCSF, Box 0446, San Francisco 94143. (415) 476-4194.

July 15-18—**Caring for People with AIDS and Their Loved Ones.** Concern for Dying: an Educational Council, at Bishop's Ranch, Healdsburg. Fri-Mon. Contact: Penny Weingarten, 250 West 57th St., Room 831, New York, NY 10107. (800) 248-2122.

August 3-6—**15th Annual Meeting: The Peruvian American Medical Society** at Westin Bonaventure Hotel, Los Angeles. Wed-Sat. Contact: Hugo Ortiz, MD, Chairman, Scientific Program, 6488 Tamerlane Dr, West Bloomfield, MI 48322.

IDAHO

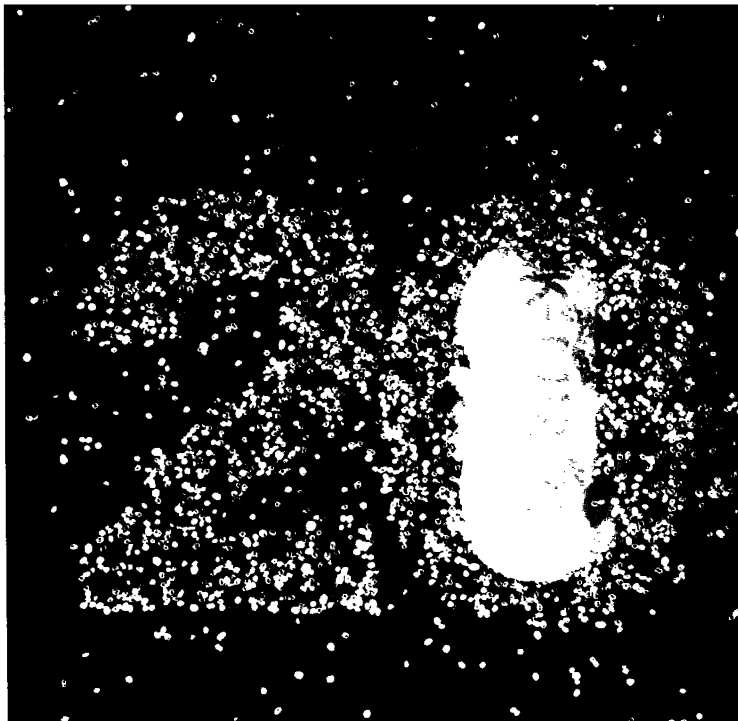
February 13-20—**Controversies in Pulmonary Medicine.** University of Arizona College of Medicine, Department of Family and Community Medicine, and Epic Expeditions at Sun Valley. One week. 24 hrs. Contact: Kathy Rairigh, PO Box 209, Sun Valley 83353. (208) 788-4995.

February 20-27—**Drug Therapy in Maternal-Fetal Medicine.** University of Washington School of Medicine at Sun Valley. One week. Contact: U/W School of Medicine, Div of CME, SC-50, Seattle, WA 98195. (206) 543-1050.

February 20-27—**Effective Treatment of Common Sports Injuries.** University of Arizona College of Medicine, Department of Family and Community Medicine, and Epic Expeditions at Sun Valley. One week. 24 hrs. Contact: Kathy Rairigh, PO Box 209, Sun Valley 83353. (208) 788-4995.

March 4-6—**29th Annual Medical Winter Clinics—"You and Your Health."** Ada County Medical Society at Shore Lodge—Brundage Mountain for Alpine Powder and Nordic Skiing. McCall, Idaho. Fri-Sun. 11 hrs. \$125. Contact: Judy Barningham, Ada County Medical Society, PO Box 2668, Boise 83701. (208) 336-2930.

(Continued on Page 244)



Most patients need only one.

K-DURTM 20 Microburst Release System
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A daily prophylactic dose in a single tablet.

Please see next page for brief summary of prescribing information.

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INDICATIONS AND USAGE: BECAUSE OF REPORTS OF INTESTINAL AND GASTRIC ULCERATION AND BLEEDING WITH SLOW-RELEASE POTASSIUM CHLORIDE PREPARATIONS, THESE DRUGS SHOULD BE RESERVED FOR THOSE PATIENTS WHO CANNOT TOLERATE OR REFUSE TO TAKE LIQUID OR EFFERVESCENT POTASSIUM PREPARATIONS OR FOR PATIENTS IN WHOM THERE IS A PROBLEM OF COMPLIANCE WITH THESE PREPARATIONS.

1. For therapeutic use in patients with hypokalemia with or without metabolic alkalosis, in digitalis intoxication and in patients with hypokalemic familial periodic paralysis.

2. For the prevention of potassium depletion when the dietary intake is inadequate in the following conditions: Patients receiving digitalis and diuretics for congestive heart failure, hepatic cirrhosis with ascites, states of aldosterone excess with normal renal function, potassium-losing nephropathy, and with certain diarrheal states.

3. The use of potassium salts in patients receiving diuretics for uncomplicated essential hypertension is often unnecessary when such patients have a normal dietary pattern. Serum potassium should be checked periodically, however, and if hypokalemia occurs, dietary supplementation with potassium-containing foods may be adequate to control milder cases. In more severe cases supplementation with potassium salts may be indicated.

CONTRAINDICATIONS: Potassium supplements are contraindicated in patients with hyperkalemia since a further increase in serum potassium concentration in such patients can produce cardiac arrest. Hyperkalemia may complicate any of the following conditions: Chronic renal failure, systemic acidosis such as diabetic acidosis, acute dehydration, extensive tissue breakdown as in severe burns, adrenal insufficiency, or the administration of a potassium-sparing diuretic (e.g., spironolactone, triamterene).

Wax-matrix potassium chloride preparations have produced esophageal ulceration in certain cardiac patients with esophageal compression due to enlarged left atrium.

All solid dosage forms of potassium chloride supplements are contraindicated in any patient in whom there is cause for arrest or delay in tablet passage through the gastrointestinal tract. In these instances, potassium supplementation should be with a liquid preparation.

WARNINGS: Hyperkalemia—In patients with impaired mechanisms for excreting potassium, the administration of potassium salts can produce hyperkalemia and cardiac arrest. This occurs most commonly in patients given potassium by the intravenous route but may also occur in patients given potassium orally. Potentially fatal hyperkalemia can develop rapidly and be asymptomatic. The use of potassium salts in patients with chronic renal disease, or any other condition which impairs potassium excretion, requires particularly careful monitoring of the serum potassium concentration and appropriate dosage adjustment.

Interaction with Potassium Sparing Diuretics—Hypokalemia should not be treated by the concomitant administration of potassium salts and a potassium-sparing diuretic (e.g., spironolactone or triamterene) since the simultaneous administration of these agents can produce severe hyperkalemia.

Gastrointestinal Lesions—Potassium chloride tablets have produced stenotic and/or ulcerative lesions of the small bowel and deaths. These lesions are caused by a high localized concentration of potassium ion in the region of a rapidly dissolving tablet, which injures the bowel wall and thereby produces obstruction, hemorrhage or perforation.

K-DUR tablets contain micro-crystalloids which disperse upon disintegration of the tablet. These micro-crystalloids are formulated to provide a controlled release of potassium chloride. The dispersibility of the micro-crystalloids and the controlled release of ions from them are intended to minimize the possibility of a high local concentration near the gastrointestinal mucosa and the ability of the KCl to cause stenosis or ulceration. Other means of accomplishing this (e.g., incorporation of potassium chloride into a wax matrix) have reduced the frequency of such lesions to less than one per 100,000 patient years (compared to 40–50 per 100,000 patient years with enteric-coated potassium chloride) but have not eliminated them. The frequency of GI lesions with K-DUR tablets is, at present, unknown. K-DUR tablets should be discontinued immediately and the possibility of bowel obstruction or perforation considered if severe vomiting, abdominal pain, distention, or gastrointestinal bleeding occurs.

Metabolic Acidosis—Hypokalemia in patients with metabolic acidosis should be treated with an alkalinizing potassium salt such as potassium bicarbonate, potassium citrate, potassium acetate, or potassium gluconate.

PRECAUTIONS: The diagnosis of potassium depletion is ordinarily made by demonstrating hypokalemia in a patient with a clinical history suggesting some cause for potassium depletion. In interpreting the serum potassium level, the physician should bear in mind that acute alkalosis per se can produce hypokalemia in the absence of a deficit in total body potassium while acute acidosis per se can increase the serum potassium concentration into the normal range even in the presence of a reduced total body potassium. The treatment of potassium depletion, particularly in the presence of cardiac disease, renal disease, or acidosis requires careful attention to acid-base balance and appropriate monitoring of serum electrolytes, the electrocardiogram, and the clinical status of the patient.

Laboratory Tests: Regular serum potassium determinations are recommended. In addition, during the treatment of potassium depletion, careful attention should be paid to acid-base balance, other serum electrolyte levels, the electrocardiogram, and the clinical status of the patient, particularly in the presence of cardiac disease, renal disease, or acidosis.

Drug Interactions: Potassium-sparing diuretics; see **WARNINGS**.

Carcinogenesis, Mutagenesis, Impairment of Fertility: Long-term carcinogenicity studies in animals have not been performed.

Pregnancy Category C: Animal reproduction studies have not been conducted with K-DUR. It is also not known whether K-DUR can cause fetal harm when administered to a pregnant woman or can affect reproduction capacity. K-DUR should be given to a pregnant woman only if clearly needed.

Nursing Mothers: The normal potassium ion content of human milk is about 13 mEq per liter. Since oral potassium becomes part of the body potassium pool, so long as body potassium is not excessive, the contribution of potassium chloride supplementation should have little or no effect on the level in human milk.

Pediatric Use: Safety and effectiveness in children have not been established.

ADVERSE REACTIONS: One of the most severe adverse effects is hyperkalemia (see **CONTRAINDICATIONS**, **WARNINGS**, and **OVERDOSAGE**). There have also been reports of upper and lower gastrointestinal conditions including obstruction, bleeding, ulceration, and perforation (see **CONTRAINDICATIONS** and **WARNINGS**); other factors known to be associated with such conditions were present in many of these patients.

The most common adverse reactions to oral potassium salts are nausea, vomiting, abdominal discomfort, and diarrhea. These symptoms are due to irritation of the gastrointestinal tract and are best managed by taking the dose with meals or reducing the dose.

Skin rash has been reported rarely.

OVERDOSAGE: The administration of oral potassium salts to persons with normal excretory mechanisms for potassium rarely causes serious hyperkalemia. However, if excretory mechanisms are impaired or if potassium is administered too rapidly intravenously, potentially fatal hyperkalemia can result (see **CONTRAINDICATIONS** and **WARNINGS**). It is important to recognize that hyperkalemia is usually asymptomatic and may be manifested only by an increased serum potassium concentration and characteristic electrocardiographic changes (peaking of T-waves, loss of P-waves, depression of S-T segment, and prolongation of the QT-interval). Late manifestations include muscle-paralysis and cardiovascular collapse from cardiac arrest.

Treatment measures for hyperkalemia include the following:

1. Elimination of foods and medications containing potassium and of potassium-sparing diuretics.
2. Intravenous administration of 300 to 500 mEq/hr of 10% dextrose solution containing 10–20 units of insulin per 1,000 ml.

3. Correction of acidosis, if present, with intravenous sodium bicarbonate.

4. Use of exchange resins, hemodialysis, or peritoneal dialysis.

In treating hyperkalemia, it should be recalled that in patients who have been stabilized on digitalis, too rapid a lowering of the serum potassium concentration can produce digitalis toxicity.

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CONTINUING MEDICAL EDUCATION

(Continued from Page 243)

March 12-19—**Strategies for Fitness and Health Promotion.** University of Arizona College of Medicine, Department of Family and Community Medicine, and Epic Expeditions at Sun Valley. One week. 24 hrs. Contact: Kathy Rairigh, PO Box 209, Sun Valley 83353. (208) 788-4995.

March 17-18—**Idaho Thoracic Society—Annual Medical Symposium.** Anderson Center, Boise. Contact: Idaho Thoracic Society, 2621 Camas St, Boise 83705. (208) 344-6567.

MONTANA

February 18-20—**7th Annual Big Sky Pulmonary Ski Conference.** American Lung Association of Montana at Big Sky of Montana. Thurs-Sat. Contact: ALA of Montana, 825 Helena Ave, Helena 59601. (406) 442-6556 or 1 (800) 252-6368 (in Montana).

NEW MEXICO

Information, requests for accreditation and items to be listed should be sent to the chairman of the CME Committee, New Mexico Medical Society, 303 San Mateo NE, Suite 204, Albuquerque, NM 87108 at least two months in advance. For information on CME accreditation or on the CME requirements of the New Mexico Board of Medical Examiners, please write to the above address or call (505) 266-7868.

NOTE: Course information in the following listing is subject to change on occasion. Check with the sponsoring institution for current details.

February 25-27—**21st Annual OB/GYN Postgraduate Seminar.** Holiday Inn Pyramid Plaza, Albuquerque. Contact: UNM SOM, Office of CME, (505) 277-3942.

February 25-27—**Santa Fe Ski Symposium—Hypertension—1988.** Santa Fe. Thurs-Sat. Contact: National Kidney Foundation of New Mexico, 1715 Girard, NE, Albuquerque 87106. (505) 266-4573.

February 26-28—**16th Annual Thoracic Society Lung Disease Symposium.** Santa Fe Hilton. Fri-Sun. Contact: Lung Association, (505) 265-0732.

March 2-5—**Taos Metabolism Seminar.** Quail Ridge Inn, Taos. Contact: Martin J. Conway, MD, Lovelace Medical Center, 5400 Gibson SE, Albuquerque 87108. (505) 262-7000.

March 4-5—**Advances in Internal Medicine '88.** Veterans Administration Medical Center, Albuquerque. Contact: UNM SOM, Office of CME, (505) 277-3942.

March 11—**The Physician in Crisis.** Presbyterian Hospital Quality of Life Committee. Contact: Office of Medical Education, (505) 841-1225.

March 12—**NM Pediatric Society Wylder Lecture—Mother to Child Infection.** UNM School of Pharmacy Auditorium. Contact: Marilyn Stark, NM Pediatric Society, (505) 265-7431.

April 21-23—**10th Annual Pediatric Cardio-Pulmonary Update.** Sheraton Old Town, Albuquerque. Contact: UNM SOM, Office of CME, (505) 277-3942.

April 29-May 1—**Southwest Allergy Forum.** Eldorado Hotel, Santa Fe. Contact: UNM SOM, Office of CME, (505) 277-3942.

May 5-7—**NM Medical Society Annual Meeting—AIDS—Protecting the Health Professional and Chemical Dependency, Monitored Treatment Program. Loss Control Seminar, Physicians Mutual Liability Insurance Co.** Albuquerque Hilton Inn. Contact: NM Medical Society, (505) 266-7868.

May 14—**Cardiac Physical Diagnosis Symposium.** Contact: UNM SOM, Office of CME, (505) 277-3942.

(Continued on Page 246)

CONTINUING MEDICAL EDUCATION

(Continued from Page 244)

May 19-20—**Mental Health Services With Hispanic and Native American Children and Families.** Contact: UNM SOM, Office of CME, (505) 277-3942.

June 2-3—**8th Annual UNM/ACEP Emergency Medicine Symposium.** AMFAC Hotel, Albuquerque. Contact: UNM SOM, Office of CME, (505) 277-3942.

July 22-24—**Diagnosis and Management of Arrhythmia.** Contact: Presbyterian Heart Institute, Albuquerque, (505) 841-1065/(505) 242-2796.

UTAH

This listing of continuing medical education courses in Utah is compiled and edited by the CME office of the Utah Medical Association. All courses listed have been certified by CME accredited institutions as meeting the criteria for Category 1 of the Physician's Recognition Award of the American Medical Association. They also must meet the definition of Utah Approved CME Credit for the purpose of medical license reregistration in Utah. Accredited institutions wishing to list AMA Category 1/Utah Approved CME courses here should send information at least two months in advance to the Office of Continuing Medical Education, 540 East Fifth South, Salt Lake City, Utah 84102; or phone (801) 355-5290. For information on CME accreditation or on the CME requirements of the Utah Physicians' Licensing Board, please write the CME office at the above address.

NOTE: Course information in the following listing is subject to change on occasion. Check with the sponsoring institution or the CME office for current details.

SPONSORS OF COURSES—ABBREVIATIONS

| | |
|--------|--|
| AHA: | American Heart Association, Utah Affiliate, 645 E 400 South, Salt Lake City 84102. (801) 322-5601. |
| BYUHS: | Brigham Young University Health Services, McDonald Student Health Center, Brigham Young University, Provo 84602. (801) 378-2771. |
| CH: | Castleview Hospital (formerly Carbon Hospital), RFD 2, Box 46, Price 84501. (801) 637-4800. |
| CWH: | Cottonwood Hospital, 5770 S 300 East, Salt Lake City 84101. (801) 262-3461. |
| DMC: | Dixie Medical Center, 544 S 400 East, St George 84770. (801) 673-9681. |
| HCH: | Holy Cross Hospital, 1045 E First South, Salt Lake City 84102. (801) 350-4744. |
| ITS: | Intermountain Thoracic Society, 1616 S 11th East, Salt Lake City 84105. (801) 484-4456. |
| LDSH: | LDS Hospital, 8th Ave and "C" St, Salt Lake City 84143. (801) 321-1100. |
| LRH: | Logan Regional Hospital, 1400 N 5th East, Logan 84321. (801) 752-2050. |
| MDH: | McKay-Dee Hospital Center, 3939 Harrison Blvd, Ogden 84409. (801) 399-4141. |
| MVH: | Mountain View Hospital, 1000 E Highway 6, Payson 84651. (801) 465-9201. |
| 144: | 144th Evacuation Hospital, PO Box 8000, Salt Lake City 84108. (801) 524-3924. |
| OSS: | Ogden Surgical Society, PO Box 9311, Ogden 84409. |
| PCMC: | Primary Children's Medical Center, 320 12th Ave, Salt Lake City 84103. (801) 363-1221. |
| PVH: | Pioneer Valley Hospital, 3460 S 4155 West, West Valley City 84120. (801) 968-9061. |
| SMH: | St Mark's Hospital, 1200 E 3900 South, Salt Lake City 84117. (801) 268-7111. |
| UOS: | Utah Ophthalmological Society, 540 E 500 South, Salt Lake City 84102. (801) 355-7477. |
| USH: | Utah State Hospital, PO Box 270, Provo 84603-0270. (801) 373-4400. |
| UUMC: | University of Utah Medical Center, 50 N Medical Dr, Salt Lake City 84132. (801) 581-2258. |
| UVRMC: | Utah Valley Regional Medical Center, 1034 N Fifth West, Provo 84604. (801) 373-7850. |
| VAMC: | Veterans Administration Medical Center, 500 Foothill Dr, Salt Lake City 84148. (801) 582-1565. |
| VVMC: | Valley View Medical Center, 595 S 75 East, Cedar City 84720. (801) 586-6587. |

MEDICAL GRAND ROUNDS

Each Wed—8:00-9:00 a.m. Alternating between University of Utah Medical Center and VA Medical Center, Salt Lake City. Contact: William D. Odell, MD, PhD, Professor and Chairman, Dept of Internal Medicine, Univ of Utah, (801) 581-7606.

* * *

February 15-19—**11th Annual Update in Clinical Microbiology and Immunology** (Sponsor: UUMC). Mon-Fri. Park City Resort. Contact: M. Beckman, (801) 581-7480.

February 17-20—**29th Annual OB-GYN Update** (Sponsor: UUMC). Wed-Sat. Snowbird Resort. Contact: Sheryl Martin, (801) 581-5501.

February 19-23—**33rd Annual Postgrad Course in Anesthesiology** (Sponsor: UUMC). Fri-Tues. Salt Lake City. Contact: Vicky Larsen, (801) 581-6393.

February 21-28—**Intermountain Dermatology Meeting** (Sponsor: UUMC). Sun-Sun. Colorado. Contact: Bernie Lasalle, (801) 581-7837.

February 24-27—**Reproductive Endocrinology and Infertility** (Sponsor: UUMC). Wed-Sat. Snowbird Resort. Contact: Sheryl Martin, (801) 581-5501.

February 24-27—**Pediatric Emergency Medicine** (Sponsor: UUMC). Wed-Sat. Salt Lake City. Contact: Amy Eschelman, (801) 521-1221.

February 28-March 4—**Vascular Imaging: Update on Interventional Radiology** (Sponsor: UUMC). Sun-Fri. Snowbird Resort. Contact: (801) 581-8188.

February 29-March 4—**Advances in Internal Medicine** (Sponsor: UUMC). Mon-Fri. Snowbird Resort. Contact: Jennifer Fossum, (801) 581-3581.

March 7-11—**Gastroenterology Update** (Sponsor: UUMC). Mon-Fri. Snowbird Resort. Contact: Jennifer Fossum, (801) 581-3581.

March 1988—**Nutrition in Contemporary Medicine** (Sponsor: UUMC). Contact: Jennifer Fossum, (801) 581-3581.

March 30-April 1—**Common Problems in Pediatrics** (Sponsor: UUMC). Wed-Fri. Contact: K. Blosch, (801) 466-3500.

WASHINGTON

This listing of continuing medical education programs in Washington state is compiled by the Washington State Medical Association. To list Category 1 programs here please send information at least two months in advance to Continuing Medical Education, Washington State Medical Association, 2033 Sixth Avenue, Suite 900, Seattle, WA 98121; or phone (206) 441-WSMA.

Brochures and registration forms are available from the contact person or organization listed at the end of each course or in the list of course sponsors and contact information.

February 19-20—**Medicine for Psychotherapists.** Seattle. Fri-Sat. Contact: VMMC.

February 25-26—**Survivorship.** Spokane. Thurs-Fri. Contact: Carolyn Hunter, (509) 325-6146.

COURSE SPONSORS AND CONTACT INFORMATION

CME HARBORVIEW—Contact: Gayle Splater, Cytology Continuing Education, Dept. of Pathology, Harborview Medical Center, 325 Ninth Avenue, Seattle, WA 98104. (206) 223-5953.

CME PIERCE COUNTY—Contact: Mrs Maxine Bailey, Executive Director, College of Medical Education, 705 South Ninth, No. 203, Tacoma, WA 98405. (206) 627-7137.

U/W (UNIVERSITY OF WASHINGTON)—Contact: U/W School of Medicine, Div. of CME, SC-50, Seattle, WA 98195. (206) 543-1050.

WSMA—Washington State Medical Association, Continuing Medical Education, 2033 Sixth Ave, Suite 900, Seattle, WA 98121. (206) 441-9762.

VMMC (VIRGINIA MASON MEDICAL CENTER)—Contact: Linda Orgel, Division of Continuing Medical Education, Virginia Mason Medical Center, PO Box 900, Seattle, WA 98111. (206) 223-6898.

(Continued on Page 247)



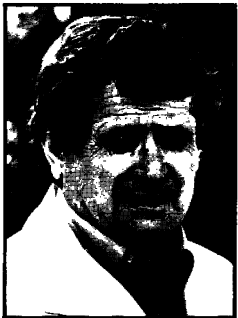
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Fellow and Diplomate in Medical Psychotherapy Board Certified in Behavioral Medicine, Certified Family Mediator, Board Certified Counselor, Fellow and Diplomate in Professional Counseling

* **Joseph Lee, M.D. ▶**
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Diplomate — American Board of Psychiatry and Neurology

*Member: International Association for the Study of Pain, American Association for the Study of Pain, Western USA Pain Society



*▲ **Ward B. Studt, M.D., M.S.H.A**
Fellow American Academy of Orthopedic Surgeons, Fellow American College of Surgeons, Certified American Board of Orthopedic Surgeons



CONTINUING MEDICAL EDUCATION

(Continued from Page 246)

March 3-4—**Northwest Regional Rural Health Conference. Rural Health: Strategies and Solutions.** Spokane. Thurs-Fri. Contact: William Lassey, (509) 747-1012.

March 4-5—**Spokane Society of Internal Medicine—Annual CME Meeting: Weekend Athlete—Impact on Medical Practice in the 80s.** Spokane. Wed-Thurs. Contact: Curtis Wickre, MD, (509) 838-2531.

March 4-5—**Primary Care of Orthopaedics.** Seattle. Fri-Sat. Contact: Maria Lilja, (206) 543-1050.

March 4-5—**Soft Tissue Surgery.** Seattle. Fri-Sat. Contact: VMMC.

March 11—**Recent Developments in Occupational Medicine.** Fri. Contact: U/W, (206) 543-1069.

March 15—**Washington State Academy of Ophthalmology Monthly Meeting.** TBA. Tues. Contact: Patti Smith, (206) 441-9762.

March 18-19—**NW Regional Rural Health Conference. Rural Health: Strategies and Solutions.** Spokane. Fri-Sat. Contact: ICNE, (509) 325-6146.

March 19-23—**11th Annual Physical Medicine and Rehabilitation Review.** Seattle. Sat-Wed. Contact: Maria Lilja, (206) 543-1050.

March 19-23—**Death Investigation.** Seattle. Sat-Wed. Contact: Maria Lilja, (206) 543-1050.

March 19-26—**Advances in Drug Therapy.** Seattle. One week. Contact: U/W, (206) 543-1050.

March 23-25—**Spirometry Training for Worker Screening.** Seattle. Wed-Fri. Contact: U/W, (206) 543-1069.

March 24-25—**Current Issues in Nutrition.** Seattle. Thurs-Fri. Contact: U/W, (206) 543-1050.

March 25—**Update in Contrast Media: An Evening of Uroradiology.** Seattle. Fri. Contact: VMMC.

April 16-20—**American Radium Society—Seventieth Annual Meeting.** Seattle. Sat-Wed. Contact: Ms Suzanne Bohn, ARS, Philadelphia, PA. (215) 574-3179.

April 19—**Washington State Academy of Ophthalmology Monthly Meeting.** TBA. Tues. Contact: Patti Smith, (206) 441-9762.

May 5-6—**Health Effects of Synthetic Fibers.** Seattle. Thurs-Fri. Contact: U/W, (206) 543-1069.

May 13—**Current Drug Topics—Pharmacology for the Practitioner.** Seattle. Fri. Contact: VMMC.

May 19-20—**Travel and Medicine.** Seattle. Thurs-Fri. Contact: Maria Lilja, (206) 543-1050.

May 19-21—**Emergency Medicine Update.** Seattle. Thurs-Sat. Contact: VMMC.

June 3—**Topics in General Internal Medicine.** Seattle. Fri. Contact: VMMC.

June 9-11—**Obstetric Ultrasound.** Seattle. Thurs-Sat. Contact: Robin Murray, (202) 863-2543.

June 20-24—**Pathology of Lung Cancer.** Seattle. Mon-Fri. Contact: VMMC.

July 29-31—**Seafair Anesthesia X.** Seattle. Fri-Sun. Contact: VMMC.

August 5—**Otology Update.** Seattle. Fri. Contact: VMMC.

WYOMING

February 28-March 6—**Strategies for Fitness and Health Promotion.** University of Arizona College of Medicine, Department of Family and Community Medicine, and Epic Expeditions at Jackson Hole. One week. 24 hrs. Contact: Kathy Rairigh, PO Box 209, Sun Valley, ID 83353. (208) 788-4995. ♦

SPECIAL ISSUES

The Western Journal of Medicine



AIDS—A Global Perspective

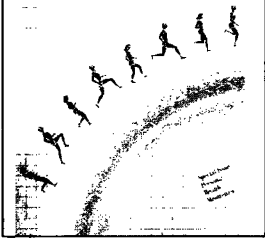
The short and remarkable history of AIDS epidemiology began in 1981 with the description of the clinical syndrome in California and New York. In the 6 years that have followed, intensive epidemiologic studies have defined the mode of spread of AIDS and laid the foundation for current control efforts. Serosurveys and retrospective clinical studies have been used to trace the temporal origins of the pandemic prior to 1981, while prospective studies and an increasingly comprehensive worldwide surveillance system have provided more accurate data for the years following 1981. AIDS cases have now been reported and investigated throughout the world.

This issue, from the Special Programme on AIDS of the World Health Organization, considers the methods and limitations of AIDS case reporting and HIV serologic studies, summarizes modes of HIV transmission, defines geographic patterns of spread, and examines the epidemiology of HIV infections by continent.

—Jonathan M. Mann, MD
Director, Special Programme on AIDS
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WESTERN STATE MEDICAL ASSOCIATIONS' MEETINGS

Alaska State Medical Association—2401 E 42nd Ave, Suite 104, Anchorage 99508. (907) 562-2662. Annual Meeting: June 1988, Fairbanks.

Arizona Medical Association, Inc—810 W Bethany Home Rd, Phoenix 85013. (602) 246-8901. Annual Meeting: June 9-11, 1988, Loew's Ventana Canyon Resort, Tucson.

California Medical Association—PO Box 7690, San Francisco 94120-7690. (415) 541-0900. Annual Meeting: March 4-9, 1988, Bally's Grand Hotel, Reno.

Colorado Medical Society—PO Box 17550, Denver 80217-0550. (303) 779-5455. Annual Meeting: September 15-17, 1988, Marriott City Center, Denver.

Hawaii Medical Association—320 Ward Ave, Suite 200, Honolulu 96814. (808) 536-7702. Annual Meeting: October 10-12, 1987, Kauai Surf, Kauai.

Idaho Medical Association—305 W Jefferson, PO Box 2668, Boise 83701. (208) 344-7888. Annual Meeting: July 21-23, 1988, Sun Valley.

Montana Medical Association—2012 11th Ave, Suite 12, Helena 59601. (406) 443-4000. Annual Meeting: September 29-October 1, 1988, Heritage Inn, Great Falls.

Nevada State Medical Association—3660 Baker Lane, Reno 89502. (702) 825-6788. Annual Meeting: April 21-24, 1988, Laughlin.

New Mexico Medical Society—303 San Mateo NE, Suite 204, Albuquerque 87108. (505) 266-7868. Annual Meeting: May 5-7, 1988, Hilton Inn, Albuquerque.

Oregon Medical Association—5210 SW Corbett Ave, Portland 97201. (503) 226-1555. Annual Meeting: (House of Delegates only): November 6-8, 1987, Portland.

Utah Medical Association—540 E Fifth South, Salt Lake City 84102. (801) 355-7477. Annual Meeting: September 21-23, 1988, University Park Hotel, Salt Lake City.

Washington State Medical Association—900 United Airlines Bldg, 2033 6th Ave, Seattle 98121. (206) 441-WSMA. Annual Meeting: September 15-18, 1988, Yakima.

Wyoming Medical Society—PO Drawer 4009, Cheyenne 82003-4009. (307) 635-2424. Annual Meeting: June 23-26, 1988, Jackson Lake Lodge, Moran.

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